



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

## Livestock Facility Inspection Checklist

### GENERAL INFORMATION

#### TYPE OF INSPECTION:

☒ CAFO ☐ COMPLAINT ☐ RECONNAISSANCE ☐ ERU FOLLOW UP ☐ OPERATOR REQUEST ☐ OTHER

FACILITY NAME (LLC, Inc., Corp, Partnership, sole proprietorship, etc.)

**Rob Wood Farms, Inc.**

INSPECTION DATE

**May 3, 2011**

ARRIVAL TIME

**10:54 am**

ADDRESS

**31752 North State Route 49**

INSPECTOR(S)

**J.P. Holste**

DEPARTURE TIME

**1:30 pm**

CITY

**Potomac**

STATE

**Illinois**

ZIP CODE

**61865**

ACCOMPANIED BY (if applicable)

**Rob Wood**

LEGAL DESCRIPTION

COUNTY

**Vermilion**

SECTION

**35**

TOWNSHIP

**T22N**

RANGE

**R14W**

TEMPERATURE

**50's**

PRECIPITATION TYPE

**none**

Facility Owner(s):

NAME

**Rob Wood**

CONTACTED

☒ YES ☐ NO

PHONE

MOBILE

Exemption 6 and Exemption 7(C)

ADDRESS

CITY

STATE

ZIP CODE

**Exemption 6 and Exemption 7(C)**

NAME

CONTACTED

☐ YES ☐ NO

PHONE

MOBILE

ADDRESS

CITY

STATE

ZIP CODE

Facility Operator(s):

NAME

CONTACTED

☐ YES ☐ NO

PHONE

MOBILE

ADDRESS

CITY

STATE

ZIP CODE

NAME

CONTACTED

☐ YES ☐ NO

PHONE

MOBILE

ADDRESS

CITY

STATE

ZIP CODE

### NPDES PERMIT INFORMATION (If no NPDES Permit, skip this section)

1. What type of NPDES permit has been issued?

☐ Individual NPDES Permit

☐ General NPDES Permit

NPDES #

2. What date was the NPDES permit issued?

3. What date does the NPDES permit expire?

4. Is a copy of the NPDES permit onsite?

☐ YES

☐ NO

5. Permitted number of animal units?

6. Does the NPDES Permit contain a compliance schedule?

☐ YES

☐ NO

7. Have there been any changes made to the production area since the permit was issued?

☐ YES

☐ NO

If "YES", provide a detailed description of those changes.

**None**

**LAND APPLICATION/NUTRIENT MANAGEMENT**

1. How many TOTAL acres are available for land application?	<u>2300</u> acres
2. How many acres are READILY available for land application at the time of inspection?	<u>2300</u> acres
3. Estimated annual quantities of liquid waste _____ gallons	
4. Estimated annual quantities of solid waste <u>17,000</u> tons	
5. Does the facility have a contractor perform land application? If "YES", Name of Contractor: _____	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
6. What type of land application equipment is available to the facility? <input type="checkbox"/> Umbilical Injection <input type="checkbox"/> Honeywagon Injection <input type="checkbox"/> Honeywagon Surface <input type="checkbox"/> Irrigation <input type="checkbox"/> Rotational Gun <input checked="" type="checkbox"/> Manure Spreader <input type="checkbox"/> Vegetative Filter <input checked="" type="checkbox"/> Other <u>2nd Manure Spreader</u>	
7. Does the facility calibrate the land application equipment? If "YES", What method is used? <b>The facility loader has load sensor that records weight of manure, then they use distance of application and adjust spreaders as needed.</b>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
8. Does the facility land apply within the 150 foot setback from any water well? If "YES", Explain	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
9. Does the facility land apply within the 200 foot setback from any surface water? If "YES", Explain	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
10. Does the facility land apply near any residences? If "YES", Explain	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
11. Is livestock waste transferred off-site to another party? If "YES", Are records of manure transfers kept? If "YES", Ask to see records	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
12. Does the facility have a current NMP or CNMP? If "YES", Does the facility maintain a copy of the nutrient management plan (NMP) onsite?	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO
13. Does the NMP reflect the current operational characteristics (number of animals, cropping, etc.)?	<input type="checkbox"/> YES <input type="checkbox"/> NO
14. Are the number of acres owned/leased consistent with those in the NMP?	<input type="checkbox"/> YES <input type="checkbox"/> NO
15. Is manure and wastewater being applied in accordance with setback/buffer requirements of the NMP?	<input type="checkbox"/> YES <input type="checkbox"/> NO
16. Are all of the records identified in the NMP being maintained and kept current?	<input type="checkbox"/> YES <input type="checkbox"/> NO
17. Are records being maintained at the required frequency?	<input type="checkbox"/> YES <input type="checkbox"/> NO
18. Are records being maintained onsite for the period required by NMP and/or NPDES permit?	<input type="checkbox"/> YES <input type="checkbox"/> NO
19. Is the NMP adequately addressing the storage, handling and application of manure and wastewater to prevent discharges to waters of the U.S.?	<input type="checkbox"/> YES <input type="checkbox"/> NO

**LIVESTOCK FACILITY DESCRIPTION****Facility Type**

- |  |   |
|--|---|
| <input type="checkbox"/> Total Confinement Buildings           | <input type="checkbox"/> Open Earthen Feedlot |
| <input checked="" type="checkbox"/> Open Confinement Buildings | <input type="checkbox"/> Vegetated Pasture    |
| <input type="checkbox"/> Open Concrete Feedlot                 | <input type="checkbox"/> Other _____          |

Type of Animals	Number of Animals (currently)	Capacity	Type of Confinement
BEEF CATTLE	2000	2400	Roofed open lots

Does the facility have an Illinois Certified Livestock Manager (300 or greater animal units)? ☐ N/A ☐ YES ☒ NO

If greater than 1000 animal units but less than 5000 animal units, does the facility have a waste management plan? ☐ N/A ☒ YES ☐ NO

If greater than 5000 animal units, has the facility submitted a waste management plan to IDOA for review? ☒ N/A ☐ YES ☐ NO

Does the facility have any other locations under common ownership, or where equipment and/or manure is shared, or where the other site shares land application sites? If so, put names and addresses below. ☐ YES ☒ NO

**None**

**LIVESTOCK WASTE STORAGE**

1. Does the facility have any existing livestock waste containment system? ☒ YES ☐ NO  
If NO, then proceed to question 10.

2. General description of the waste containment system (include solid and liquid manure handling, mortality, and feed storage areas).  
**There are manure storage bunkers between the pens under the roofed structures.**  
**Dead animals are picked up for rendering the next day after death. Facility has an average death loss of 0.56 %**

Type of Storage	Total Storage Capacity (Specify Units)
<input type="checkbox"/> Anaerobic Lagoon	
<input type="checkbox"/> Covered Lagoon	
<input type="checkbox"/> Holding Pond	
<input type="checkbox"/> Above Ground Storage Tank ("Slurrystore")	
<input type="checkbox"/> Below Ground Storage Tank	
<input type="checkbox"/> Settling Basin	
<input checked="" type="checkbox"/> Roofed Storage Shed	<b>Storage has been approximately 6 months</b>
<input type="checkbox"/> Concrete Pad	
<input type="checkbox"/> Impervious Soil Pad	
<input type="checkbox"/> Underfloor Pits	
<input type="checkbox"/> Anaerobic Digester	
<input checked="" type="checkbox"/> Manure Stacks	<b>Located between the pens under the roof</b>
<input type="checkbox"/> Vegetative Filter	
<input checked="" type="checkbox"/> Other <b>Compost windrow</b>	<b>West side of production area used for compost windrow</b>
<input type="checkbox"/> None	

3. Do the storage structures have depth markers or staff gauges? ☐ YES ☐ NO

4. Are levels of manure in the storage structures recorded and records kept? ☐ YES ☐ NO

5. Do the storage structures have adequate freeboard? ☐ YES ☐ NO

6. Estimated final stage storage structure freeboard \_\_\_\_\_ in.

7. Do facility personnel perform routine visual inspections of the storage structures? ☒ YES ☐ NO

8. Are the routine visual inspections documented? ☐ YES ☒ NO

9. Does the system have an outfall or discharge point? ☐ YES ☐ NO

If "YES", please provide a description (overflow pipe, spill way, etc. Include a description the area receiving the discharge).

**None**

10. Are there any portions of the production area where runoff is not controlled? ☒ YES ☐ NO

If "YES", provide a detailed description of the area(s) of concern:

**Feed storage area and bedding storage areas showed evidence of runoff into adjacent field. They also compost manure/bedding in an area on the west side of the facility where runoff is not well controlled.**

#### **MORTALITIES MANAGEMENT**

1. How are mortalities managed? (Composted, buried, burned, rendering service, other)

**Picked up for rendering.**

2. Are mortalities documented and are records kept? ☒ YES ☐ NO

**FACILITY WATER SOURCES**

- What type of method is used to provide drinking water for the animals?  
☐ Overflow waters   ☐ Tip Tanks   ☐ Nipple waters   ☐ Water Bowls   ☒ Other **on-demand concrete tanks**
- How is the water for animals obtained?  
☐ Community PWS   ☒ On-Site Well   ☐ On-Site Impoundment   ☐ Other \_\_\_\_\_
- Is a mist cooling system used? ☐ YES   ☒ NO  
 How is mist water contained?  
**None**

**DAIRY OPERATION (If No Dairy, skip this section)**

- How many times per day are cows milked? \_\_\_\_\_
- Describe how the dairy's non-contact cooling water is contained (Example: it is reused for drinking water for the animals).  
**None**
- Describe how the milking parlor is cleaned (hose or flush) and where the process wastewater goes and how it is contained.  
**None**
- Describe how the tank(s) are washed and where the process wastewater goes and how it is contained.  
**None**
- Describe where process wastewater from the plate cooler goes and how it is contained.  
**None**

**BEDDING (If No Bedding, skip this section)**

- Describe what type of bedding is used for the animals.  
**They use saw dust and wood chips**
- Describe how bedding is collected and how often.  
**Bedding that is soiled is place in manure storage structures, clean up performed as needed**
- What is done with the used bedding? ☐ Reused   ☒ Land Applied

**MANURE COLLECTION**

1. How is manure collected?

- ☐ Under Floor Pit  
☒ Scraped: ☐ Automatic ☒ Manual  
☐ Flush  
☐ Solids Separator  
☐ Other: \_\_\_\_\_  
☐ None

2. If manure collection system uses either clean or reused water to flush, describe where this water goes and how it is contained.

**None****FEED STORAGE CONTAINMENT**

1. Describe how feed (silage, hay, etc) is contained.

- ☐ Bulk Bins  
☒ Silage Pit  
☐ Ag Bags  
☒ Hay: ☒ Barn ☐ Outdoor  
☐ Other: \_\_\_\_\_

2. Describe how feed (silage, hay, etc) runoff is contained.

- ☐ Not Applicable – Feed totally enclosed  
☒ Other: **settling pond and vegetative filter area**  
☐ None

**RECEIVING SURFACE WATERS**

1. Provide a description of the flow path from the facility to the nearest named surface water.

**All runoff from facility flows into cropland and could then flow into ditch along State Route 49. Ditch is eventually tributary to Middle Fork of Vermilion River.**

2. What is the name of the receiving stream?

**Middle Fork of Vermilion River.**3. Status of the named surface water: ☐ Intermittent ☒ Perennial4. Are any unnatural bottom deposits observed in the receiving stream: ☐ YES ☒ NOIf "YES", provide a description of the deposits: **None**

**DISCHARGES**

1. Have there been any documented discharges of livestock waste to surface water <i>in the past year</i> ? If "NO" proceed to question 2.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
a. If "YES", specify the date(s).		
b. What was the reason for the discharge?		
c. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
d. What was the precipitation amount? <i>(if applicable)</i>		
e. Was IEMA notified of the discharge?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
f. Has the facility taken corrective action to remedy the situation which caused the discharge(s)?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
If "YES", describe actions taken: <b>None</b>		
2. Is the facility currently discharging livestock waste from the production area? If "NO" proceed to next section.	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
b. Was the discharge the result of a 25 year-24 hour rainfall event?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
c. What was the precipitation amount? <i>(if applicable)</i>		
d. What is the reason for the discharge?		

**OTHER COMMENTS/NOTES**

**Facility has multiple points in the production area where evidence of runoff during storm events was noted. It would appear that the facility could adjust drainage in the production area and how products are stored, to allow proper handling of any runoff.**

**It was recommended to Mr. Wood during the inspection that he develop a nutrient management plan that covers all aspects of the facility, not just land application of livestock waste.**

**It is recommended that facility be advised to seek permit coverage unless they can demonstrate that all runoff has been adequately addressed and is handled appropriately.**

**Apparent Violations**

- 1. Runoff from the facility is not directed to appropriate disposal, holding or storage areas as required, 35 Illinois Administrative Code, Section 501.403(b)**
- 2. The compost windrows (manure stacks) were not located such that they prevent runoff from entering surface waters, 35 Illinois Administrative Code, Section 501.404(b)1.**
- 3. Runoff discharged from the facility to the surrounding cropland and drainage ways is a threat to cause water pollution, Illinois Environmental Protection Act, Section 12(a).**
- 4. Facility threatens to discharge contaminated runoff from the facility into waters of the State without a NPDES Permit, Illinois Environmental Protection Act, Section 12(f).**

Will an inspection report be attached? ☐ YES ☒ NO**INSPECTOR'S SIGNATURE****REPORT DATE****August 9, 2011**

Cc: BOW/DWPC/RU

Attachments: **Maps****Bruce Yurdin, BW/DWPC/FOS, #15**